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- (71) Applicant (for all designated States except US): **DOW GLOBAL TECHNOLOGIES INC.** [US/US]; Washington Street, 1790 Building, Midland, MI 48674 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **HOUT, Penne, J.** [US/US]; 16214 Dew Drop Lane, Tampa, FL 33625 (US). **LONDRIGAN, Michael, E.** [US/US]; 3153 Landmark Drive, Unit 221, Clearwater, FL 33761 (US). **RODRIGUEZ, Trina, M.** [US/US]; 9506 West Cluster Avenue, Tampa, FL 33615 (US).
- (74) Agent: **MORK, Steven, W.**; The Dow Chemical Company, Intellectual Property, P.O. Box 1967, Midland, MI 48641-1967 (US).
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(54) Title: POLYMERIC FOAM COMPOSITES THAT MEET FACTORY MATERIAL 4880 REQUIREMENTS

(57) Abstract: Polymeric foam composites (PFCs) containing a polyurethane or polyisocyanurate foam can pass both ceiling and wall portions of the United Building Code 26-3 Room Corner Burn Test and can meet requirements for Factory Mutual 4880 approval. Polymeric foam composites of the present invention have a front face with an exposed metal sheet. Polymeric foams in the PFCs contain at least 4 weight-percent halogen, at least 10 percent of which comes from a highly-halogenated compound, at least 0.25 weight-percent phosphorous, and a residual blowing agent composition that contains less than 50 weight-percent chlorofluorocarbons and hydrochlorofluorocarbons. The polymeric foam also contains flame-retarding fibers at an average concentration of at least one weight-percent, based on combined foam and fiber weight, within 0.125 inches (3.2 millimeters) of the foam's front surface.



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